

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. H 5129 US

First Inventor Heemann et al.

Title HOT-MELT ADHESIVES BASED ON GRAFT  
COPOLYMERS

Express Mail Label No. EV 192787266 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-145022241 U.S. PTO  
10/762175

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27
3. ☒ Specification [Total Pages 35]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention  
Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets ]
5. Oath or Declaration [Total Pages 3]
- a. ☒ Unexecuted (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ Paper
- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(If foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(I).  
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: PCT/EP02/07880 filed 7/16/02

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

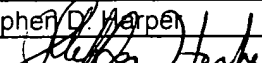
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number:

00423

or ☐ Correspondence address below

Name	Stephen D. Harper, Henkel Corporation				
Address	Patent Law Department				
	2200 Renaissance Blvd., Suite 200				
City	Gulph Mills	State	PA	Zip Code	19406
Country	US	Telephone	610-278-4927	Fax	610-278-6548

Name (Print/Type)	Stephen D. Harper	Registration No. (Attorney/Agent)	33,243
Signature		Date	1/20/04

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

16179 U.S. PTO  
012104

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2004</h2> <p style="font-size: small; margin: 5px 0;">Effective 10/01/2003. Patent fees are subject to annual revision.</p>		<p><b>Complete if Known</b></p>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	
		Filing Date	
		First Named Inventor	Heemann et al.
		Examiner Name	
		Art Unit	
TOTAL AMOUNT OF PAYMENT		(\$) 770.00	
		Attorney Docket No. H 5129 US	

<p><b>METHOD OF PAYMENT</b> (check all that apply)</p> <p> <input type="checkbox"/> Check           <input type="checkbox"/> Credit Card           <input type="checkbox"/> Money           <input type="checkbox"/> Other           <input type="checkbox"/> None       </p> <p><input checked="" type="checkbox"/> Deposit Account:</p> <p>         Deposit Account Number: 01-1250 (order no. 04-0010)          Deposit Account Name: Henkel Corporation       </p> <p>The Director is authorized to: (check all that apply)</p> <p> <input checked="" type="checkbox"/> Charge fee(s) indicated below           <input type="checkbox"/> Credit any overpayments  <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)  <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.       </p>				<p><b>FEE CALCULATION</b> (continued)</p>																																																																																																																																																																																																																																							
<p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Small Fee Code</th> <th>Entity Fee</th> <th>Entity Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>2001</td> <td>770</td> <td>385</td> <td>Utility filing fee</td> <td>770</td> </tr> <tr> <td>1002</td> <td>2002</td> <td>340</td> <td>170</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003</td> <td>2003</td> <td>530</td> <td>265</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>2004</td> <td>770</td> <td>385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>2005</td> <td>160</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td style="text-align: right;">(\$) 770</td> </tr> </tbody> </table>				Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid	1001	2001	770	385	Utility filing fee	770	1002	2002	340	170	Design filing fee		1003	2003	530	265	Plant filing fee		1004	2004	770	385	Reissue filing fee		1005	2005	160	80	Provisional filing fee		<b>SUBTOTAL (1)</b>					(\$) 770	<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Small Fee Code</th> <th>Entity Fee</th> <th>Entity Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>2051</td><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>2052</td><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>1053</td><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>1812</td><td>2,520</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>1804</td><td>920*</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1805</td><td>1,840*</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>2251</td><td>110</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>2252</td><td>420</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>2253</td><td>950</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>2254</td><td>1,480</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2255</td><td>2,010</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>2401</td><td>330</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>2402</td><td>330</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>2403</td><td>290</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1451</td><td>1,510</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>2452</td><td>110</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>2453</td><td>1,330</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>2501</td><td>1,330</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>2502</td><td>480</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>2503</td><td>640</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>1460</td><td>130</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>1807</td><td>50</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>1806</td><td>180</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>8021</td><td>40</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>2809</td><td>770</td><td>385</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>2810</td><td>770</td><td>385</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>2801</td><td>770</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>1802</td><td>900</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="5">Other fee (specify)</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td style="text-align: right;">(\$)</td> </tr> </tbody> </table>				Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid	1051	2051	130	65	Surcharge - late filing fee or oath		1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet		1053	1053	130	130	Non-English specification		1812	1812	2,520	2,520	For filing a request for ex parte reexamination		1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action		1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action		1251	2251	110	55	Extension for reply within first month		1252	2252	420	210	Extension for reply within second month		1253	2253	950	475	Extension for reply within third month		1254	2254	1,480	740	Extension for reply within fourth month		1255	2255	2,010	1,005	Extension for reply within fifth month		1401	2401	330	165	Notice of Appeal		1402	2402	330	165	Filing a brief in support of an appeal		1403	2403	290	145	Request for oral hearing		1451	1451	1,510	1,510	Petition to institute a public use proceeding		1452	2452	110	55	Petition to revive - unavoidable		1453	2453	1,330	665	Petition to revive - unintentional		1501	2501	1,330	665	Utility issue fee (or reissue)		1502	2502	480	240	Design issue fee		1503	2503	640	320	Plant issue fee		1460	1460	130	130	Petitions to the Commissioner		1807	1807	50	50	Processing fee under 37 CFR 1.17(q)		1806	1806	180	180	Submission of Information Disclosure Stmt		8021	8021	40	40	Recording each patent assignment per property (times number of properties)		1809	2809	770	385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	2810	770	385	For each additional invention to be examined (37 CFR § 1.129(b))		1801	2801	770	385	Request for Continued Examination (RCE)		1802	1802	900	900	Request for expedited examination of a design application		Other fee (specify)						<b>SUBTOTAL (3)</b>					(\$)
Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid																																																																																																																																																																																																																																						
1001	2001	770	385	Utility filing fee	770																																																																																																																																																																																																																																						
1002	2002	340	170	Design filing fee																																																																																																																																																																																																																																							
1003	2003	530	265	Plant filing fee																																																																																																																																																																																																																																							
1004	2004	770	385	Reissue filing fee																																																																																																																																																																																																																																							
1005	2005	160	80	Provisional filing fee																																																																																																																																																																																																																																							
<b>SUBTOTAL (1)</b>					(\$) 770																																																																																																																																																																																																																																						
Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid																																																																																																																																																																																																																																						
1051	2051	130	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																							
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																							
1053	1053	130	130	Non-English specification																																																																																																																																																																																																																																							
1812	1812	2,520	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																																																							
1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																							
1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																							
1251	2251	110	55	Extension for reply within first month																																																																																																																																																																																																																																							
1252	2252	420	210	Extension for reply within second month																																																																																																																																																																																																																																							
1253	2253	950	475	Extension for reply within third month																																																																																																																																																																																																																																							
1254	2254	1,480	740	Extension for reply within fourth month																																																																																																																																																																																																																																							
1255	2255	2,010	1,005	Extension for reply within fifth month																																																																																																																																																																																																																																							
1401	2401	330	165	Notice of Appeal																																																																																																																																																																																																																																							
1402	2402	330	165	Filing a brief in support of an appeal																																																																																																																																																																																																																																							
1403	2403	290	145	Request for oral hearing																																																																																																																																																																																																																																							
1451	1451	1,510	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																							
1452	2452	110	55	Petition to revive - unavoidable																																																																																																																																																																																																																																							
1453	2453	1,330	665	Petition to revive - unintentional																																																																																																																																																																																																																																							
1501	2501	1,330	665	Utility issue fee (or reissue)																																																																																																																																																																																																																																							
1502	2502	480	240	Design issue fee																																																																																																																																																																																																																																							
1503	2503	640	320	Plant issue fee																																																																																																																																																																																																																																							
1460	1460	130	130	Petitions to the Commissioner																																																																																																																																																																																																																																							
1807	1807	50	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																																																							
1806	1806	180	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																							
8021	8021	40	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																							
1809	2809	770	385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																							
1810	2810	770	385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																							
1801	2801	770	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																																							
1802	1802	900	900	Request for expedited examination of a design application																																																																																																																																																																																																																																							
Other fee (specify)																																																																																																																																																																																																																																											
<b>SUBTOTAL (3)</b>					(\$)																																																																																																																																																																																																																																						
<p><b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Small Fee Code</th> <th>Entity Fee</th> <th>Entity Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>2202</td> <td>18</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>2201</td> <td>86</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>2203</td> <td>290</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>2204</td> <td>86</td> <td>43</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>2205</td> <td>18</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td style="text-align: right;">(\$) 0</td> </tr> </tbody> </table>				Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid	1202	2202	18	9	Claims in excess of 20		1201	2201	86	43	Independent claims in excess of 3		1203	2203	290	145	Multiple dependent claim, if not paid		1204	2204	86	43	** Reissue independent claims over original patent		1205	2205	18	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					(\$) 0	<p><b>4. SUBTOTAL</b></p> <p><b>SUBTOTAL (1) + SUBTOTAL (2) + SUBTOTAL (3) = (\$)</b></p>																																																																																																																																																																																													
Large Fee Code	Small Fee Code	Entity Fee	Entity Fee	Fee Description	Fee Paid																																																																																																																																																																																																																																						
1202	2202	18	9	Claims in excess of 20																																																																																																																																																																																																																																							
1201	2201	86	43	Independent claims in excess of 3																																																																																																																																																																																																																																							
1203	2203	290	145	Multiple dependent claim, if not paid																																																																																																																																																																																																																																							
1204	2204	86	43	** Reissue independent claims over original patent																																																																																																																																																																																																																																							
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																							
<b>SUBTOTAL (2)</b>					(\$) 0																																																																																																																																																																																																																																						

<p><b>SUBMITTED BY</b></p>		<p><b>Complete (if applicable)</b></p>	
Name (Print/Type)	Stephen D. Harper	Registration No. (Attorney/Agent)	33,243
Signature		Telephone	610-278-4927
		Date	1/20/04

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.